

**CLAIMS:**

1        1. A method comprising the steps of:  
2              transmitting at a rate on a downlink shared channel having slots with each slot  
3              including a preamble locally identifying a wireless unit and data;  
4              transmitting on a dedicated control channel associated with a dedicated  
5              downlink channel including power control bits and pilot bits; and  
6              transmitting on a beacon channel a power fraction information, downlink  
7              activity information and code space information.

1        2. The method of claim 1 comprising:  
2              receiving on an uplink dedicated physical control channel, rate information for  
3              transmitting on said downlink shared channel, and an acknowledgment information  
4              indicating the receipt of data.

1        3. A method comprising the steps of:  
2              receiving at a rate on a downlink shared channel having slots with each slot  
3              including a preamble locally identifying a wireless unit and data;  
4              receiving on a dedicated control channel associated with a dedicated downlink  
5              channel including power control bits and pilot bits; and  
6              receiving on a beacon channel a power fraction information, downlink activity  
7              information and code space information.

1        4. The method of claim 1 comprising:  
2              transmitting a rate on an uplink dedicated physical control channal, rate  
3              information calculated using said power fraction information, said downlink activity  
4              information and said code space and acknowledgment information indicating the  
5              receipt of data.